

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086929.D
 Acq On : 10 Jun 2025 15:22
 Operator : JC\MD
 Sample : Q2251-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-GW-760-762

Quant Time: Jun 11 01:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

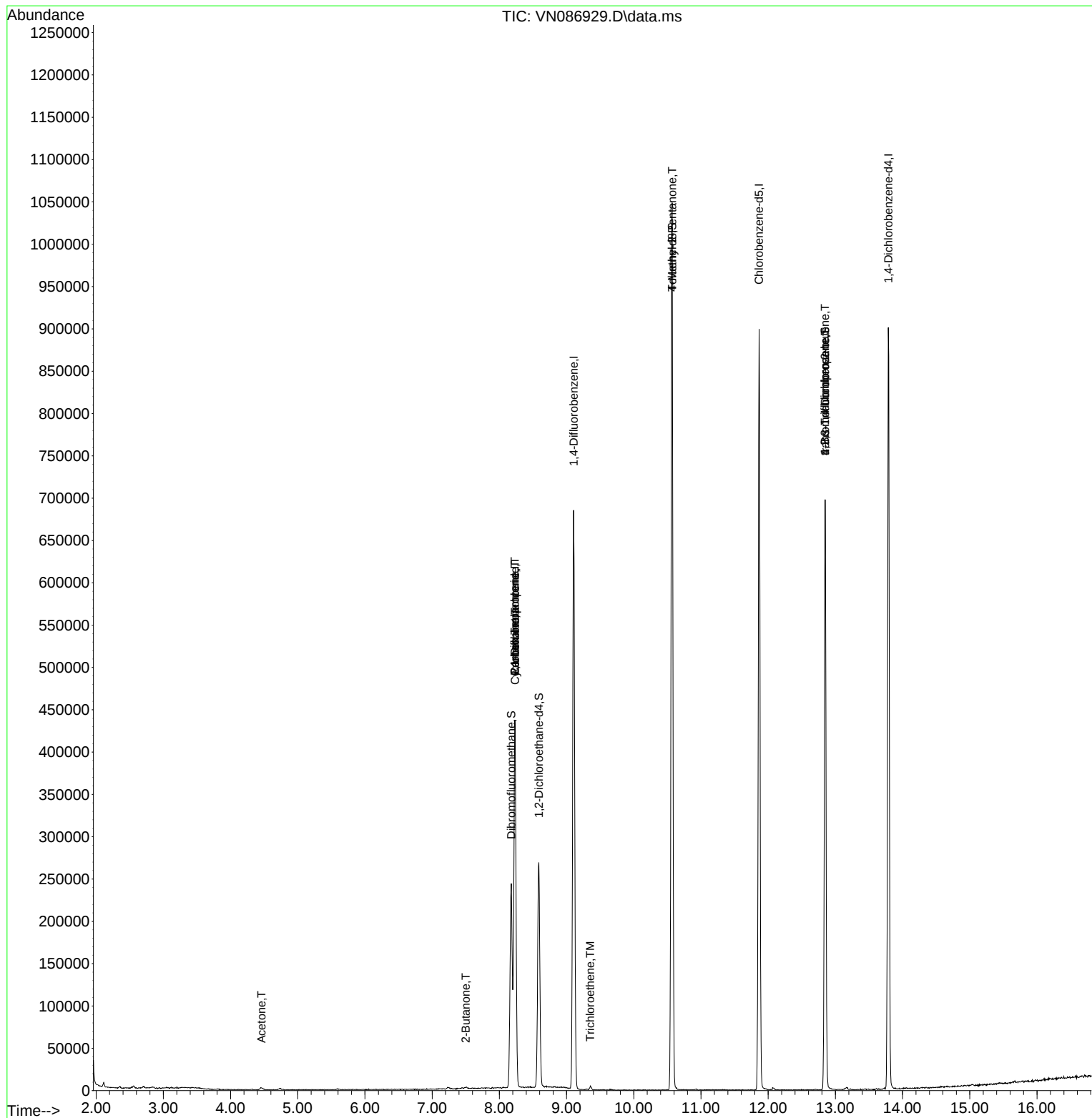
Internal Standards						
1) Pentafluorobenzene	8.229	168	337846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	630375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	558009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	267650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	215551	47.653	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.300%
35) Dibromofluoromethane	8.177	113	182524	48.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.720%
50) Toluene-d8	10.571	98	769604	52.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.080%
62) 4-Bromofluorobenzene	12.847	95	275436	50.129	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.260%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	5177	2.158	ug/l	93
25) 2-Butanone	7.500	43	1233	0.316	ug/l #	46
31) Cyclohexane	8.235	56	5929	0.808	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	26006	4.672	ug/l #	49
38) Carbon Tetrachloride	8.229	117	32398	5.928	ug/l #	17
44) Trichloroethene	9.353	130	1831	0.424	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	2724	0.398	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	129401	20.339	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	129401	46.820	ug/l #	16

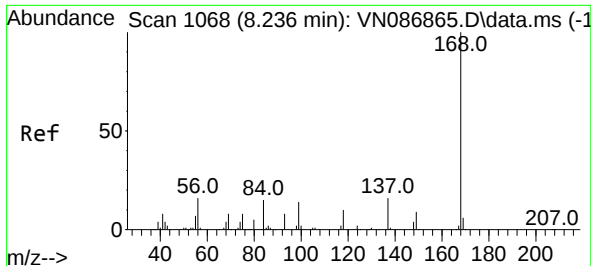
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

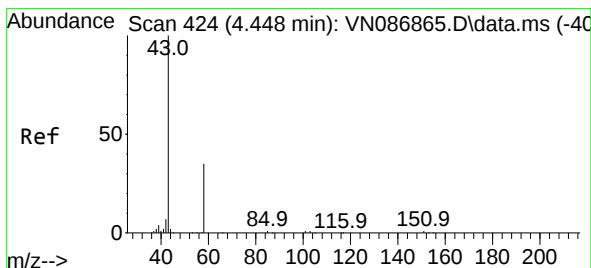
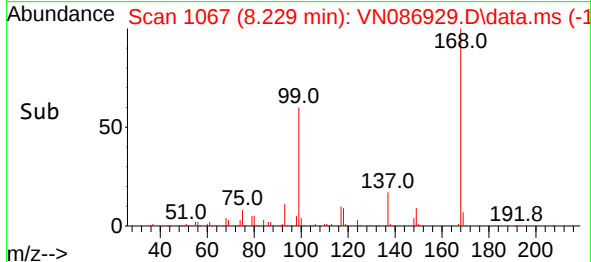
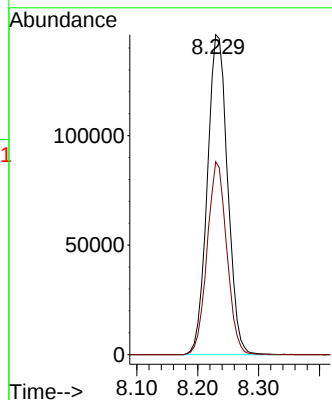
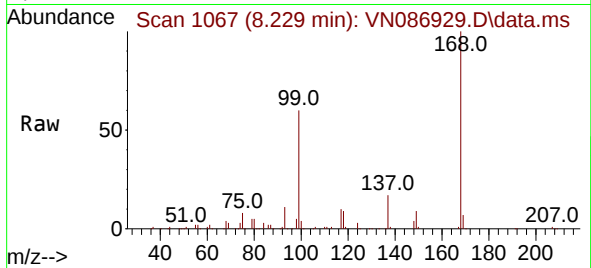




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

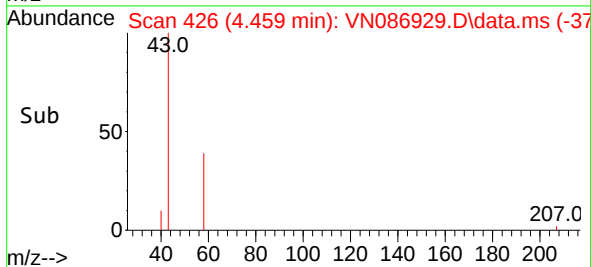
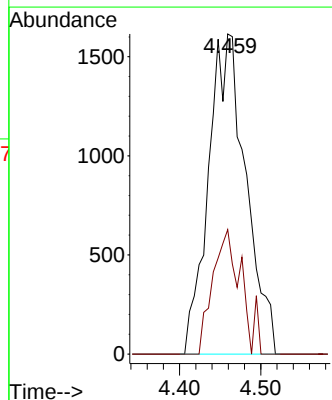
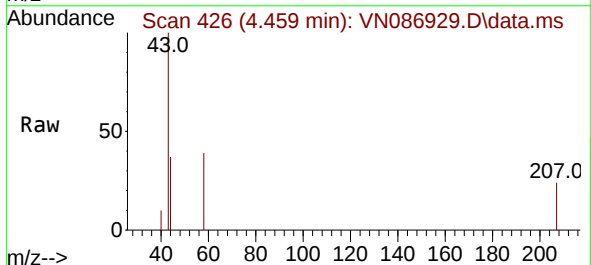
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-760-762

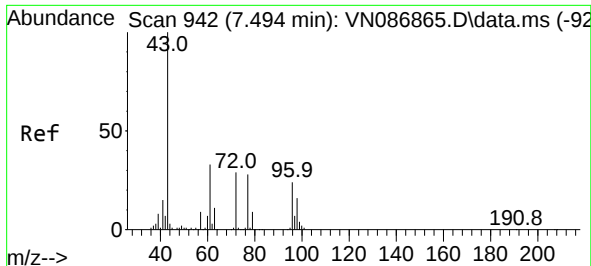
Tgt Ion:168 Resp: 337846
Ion Ratio Lower Upper
168 100
99 60.3 49.1 73.7



#16
Acetone
Concen: 2.158 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion: 43 Resp: 5177
Ion Ratio Lower Upper
43 100
58 38.9 28.0 42.0

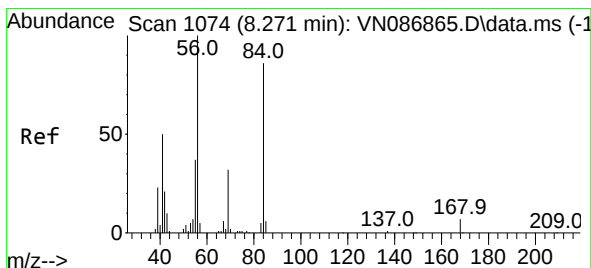
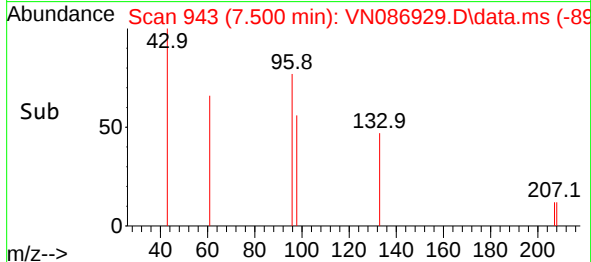
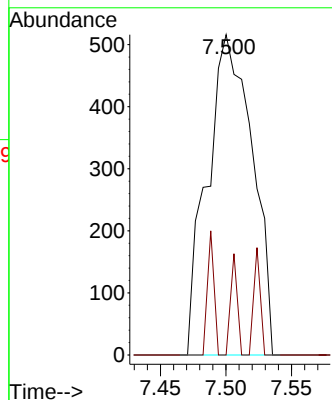
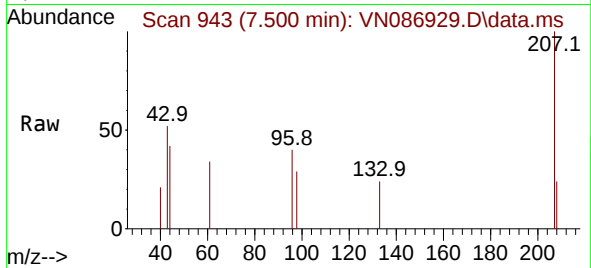




#25
2-Butanone
Concen: 0.316 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

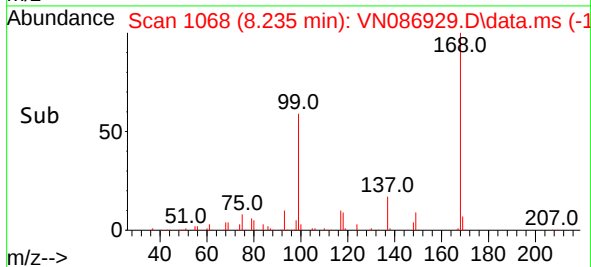
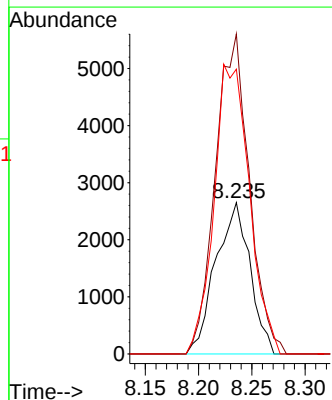
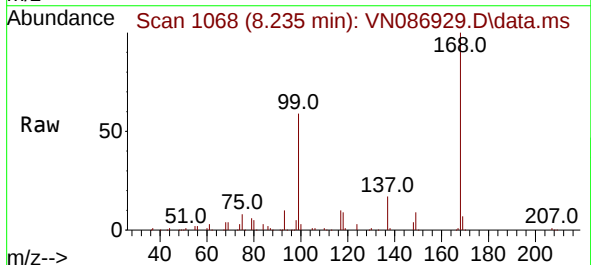
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-760-762

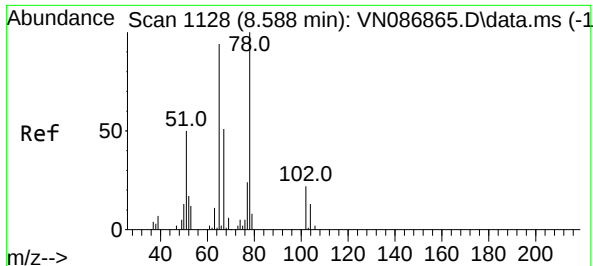
Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 0.808 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion: 56 Resp: 5929
Ion Ratio Lower Upper
56 100
69 211.3 25.4 38.0#
84 188.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.653 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086929.D

Acq: 10 Jun 2025 15:22

Instrument :

MSVOA_N

ClientSampleId :

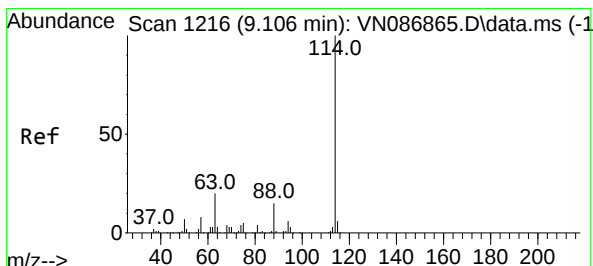
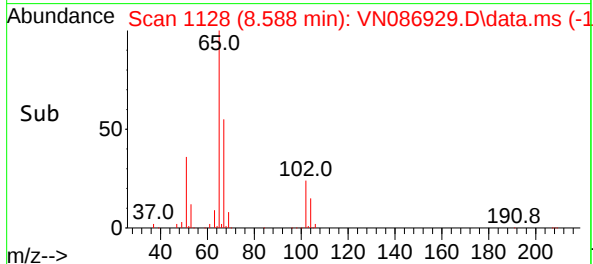
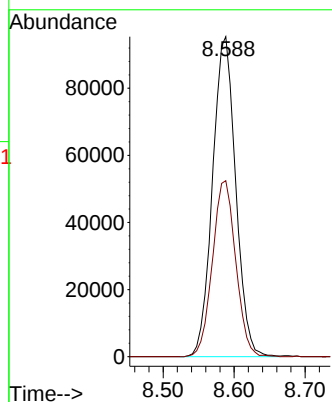
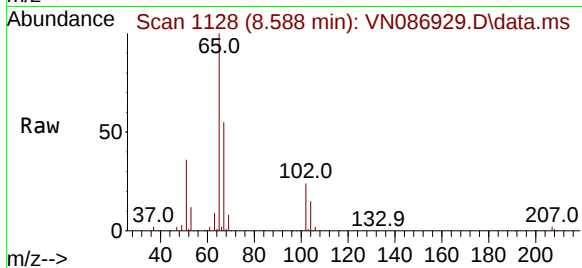
BP-VPB-182-GW-760-762

Tgt Ion: 65 Resp: 215551

Ion Ratio Lower Upper

65 100

67 55.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086929.D

Acq: 10 Jun 2025 15:22

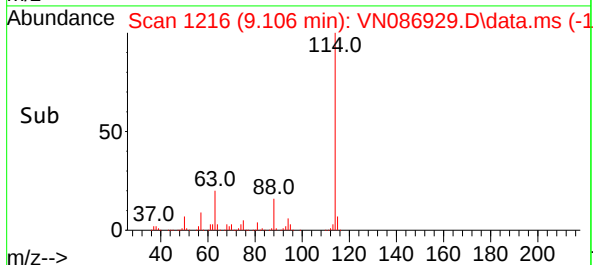
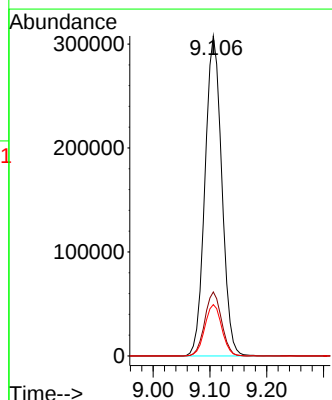
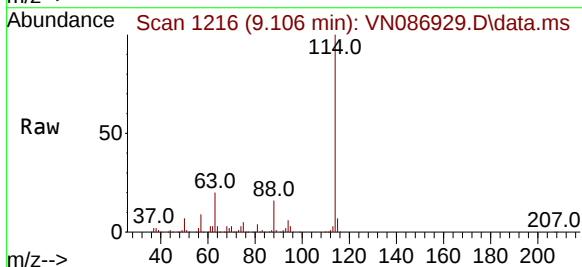
Tgt Ion: 114 Resp: 630375

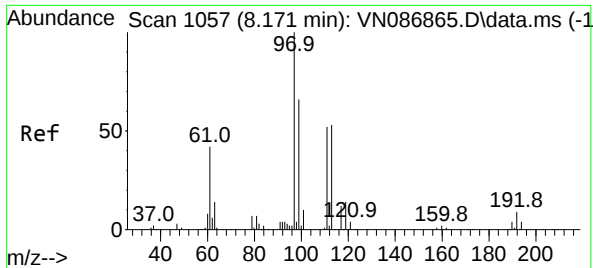
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 16.1 0.0 30.2

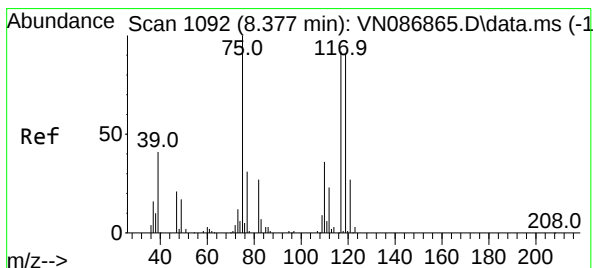
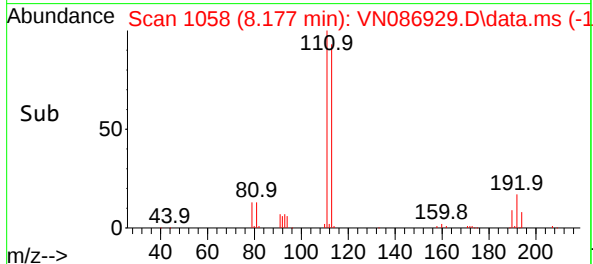
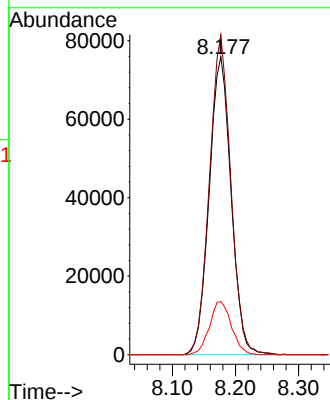
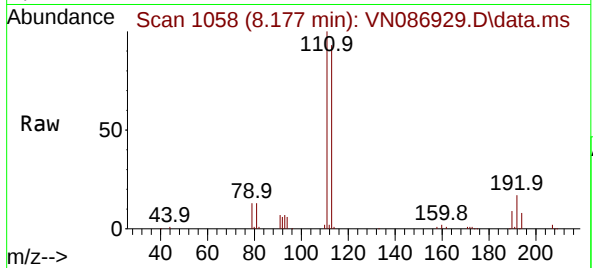




#35
Dibromofluoromethane
Concen: 48.859 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

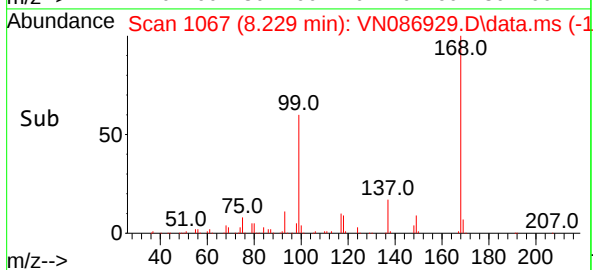
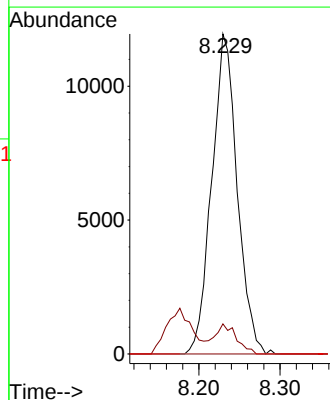
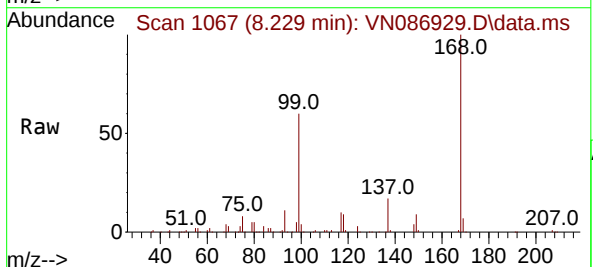
Instrument :
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BP-VPB-182-GW-760-762

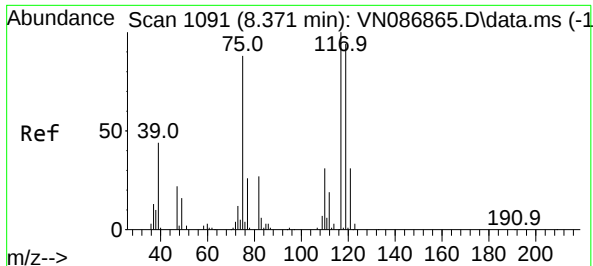
Tgt Ion:113 Resp: 182524
Ion Ratio Lower Upper
113 100
111 104.9 84.2 126.2
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion: 75 Resp: 26006
Ion Ratio Lower Upper
75 100
110 8.3 17.6 52.9#
77 0.0 25.3 37.9#

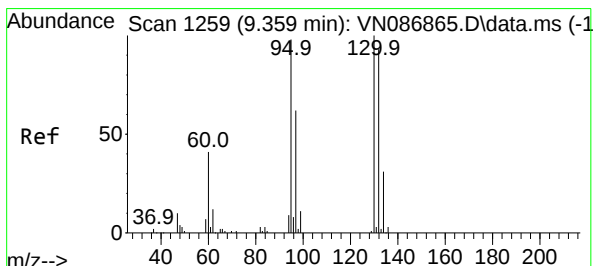
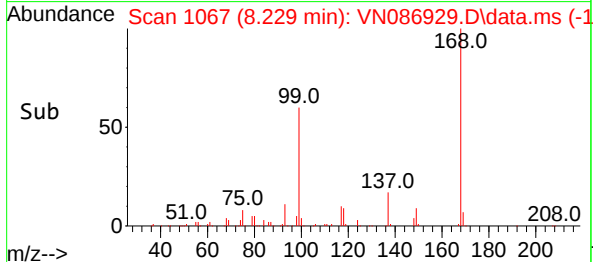
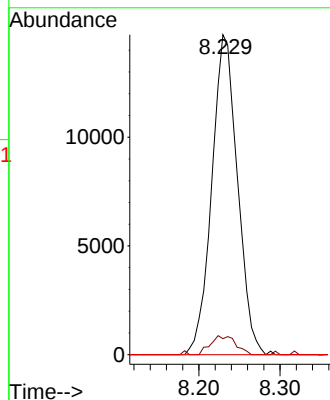
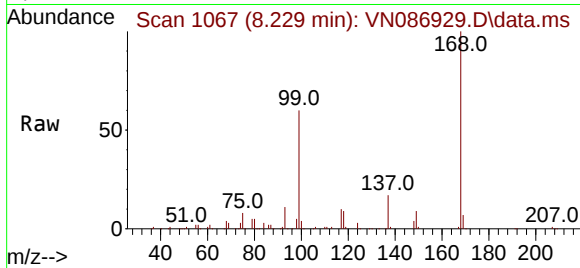




#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

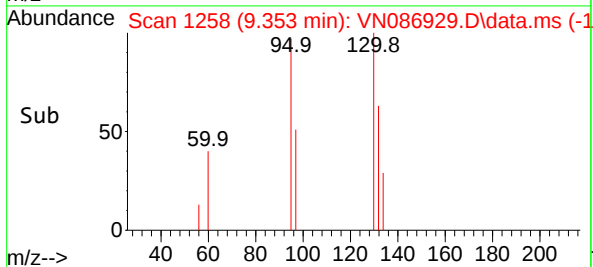
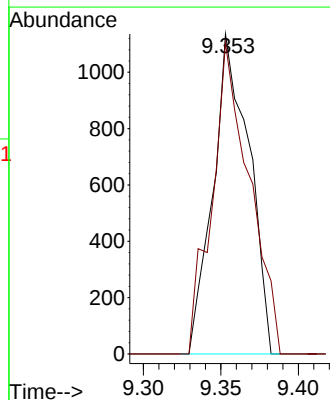
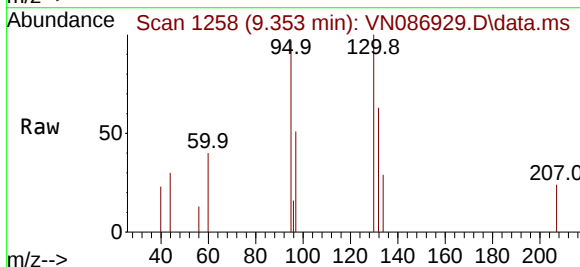
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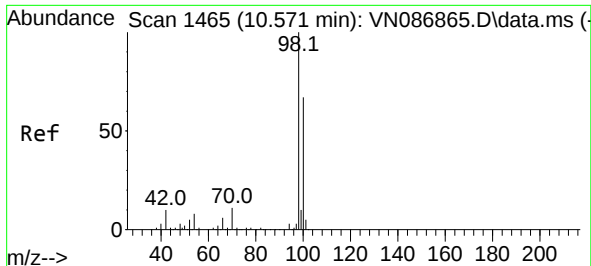
Tgt Ion:117 Resp: 32398
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 0.424 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion:130 Resp: 1831
Ion Ratio Lower Upper
130 100
95 97.3 0.0 196.2

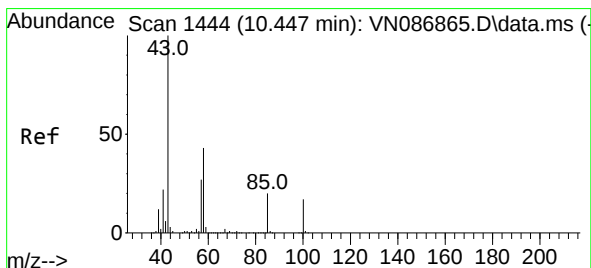
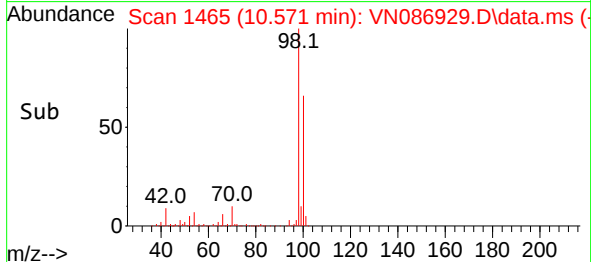
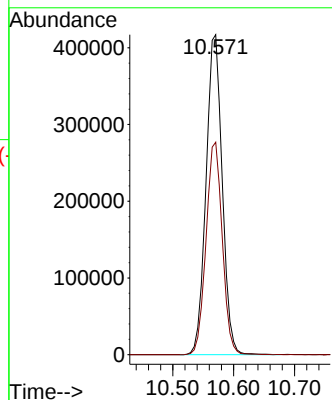
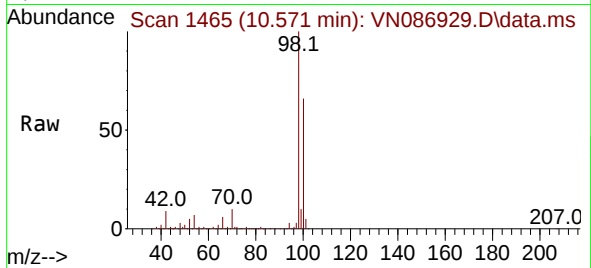




#50
Toluene-d8
Concen: 52.039 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

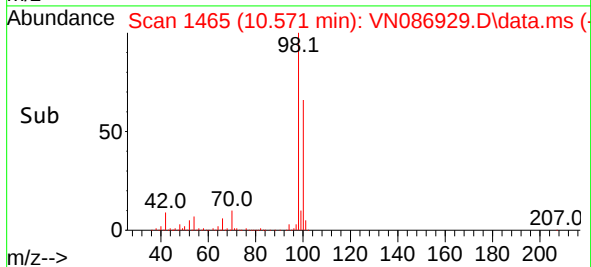
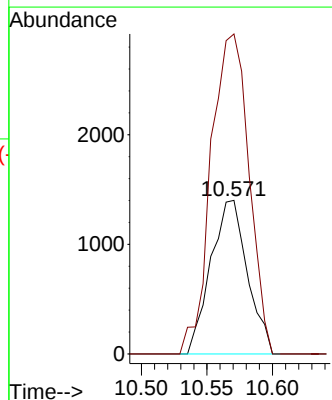
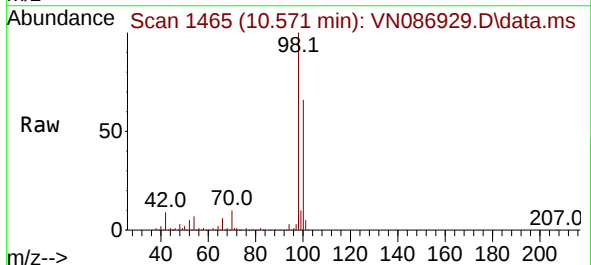
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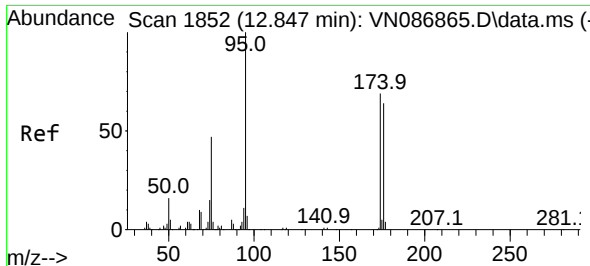
Tgt Ion: 98 Resp: 769604
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion: 43 Resp: 2724
Ion Ratio Lower Upper
43 100
58 215.5 34.2 51.4#

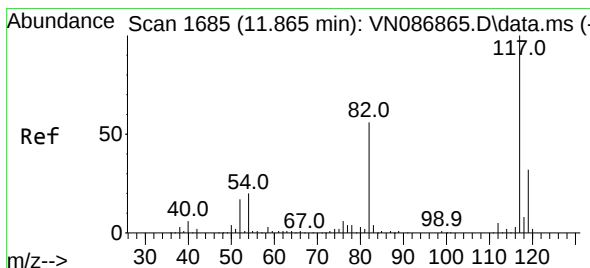
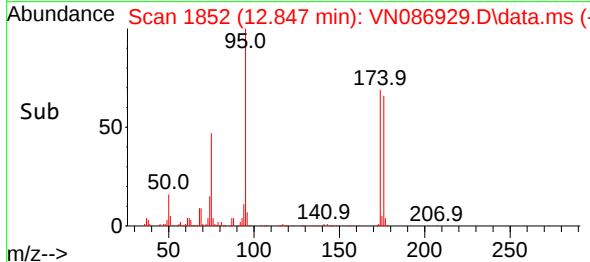
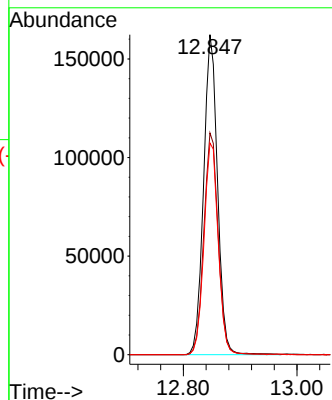
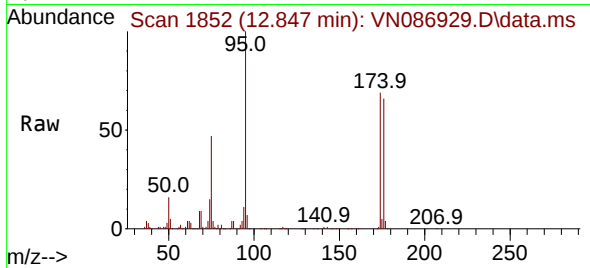




#62
4-Bromofluorobenzene
Concen: 50.129 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

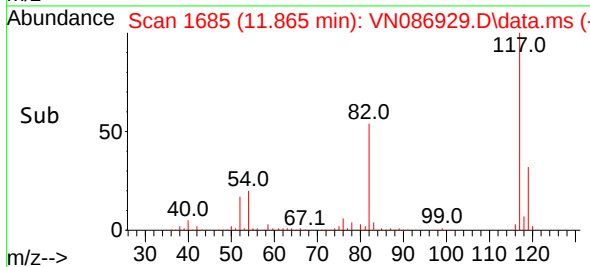
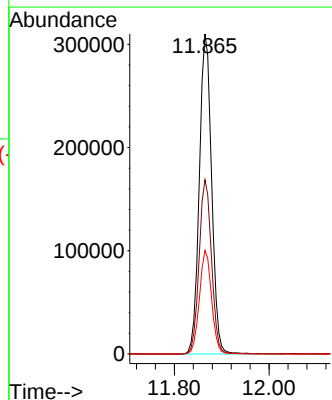
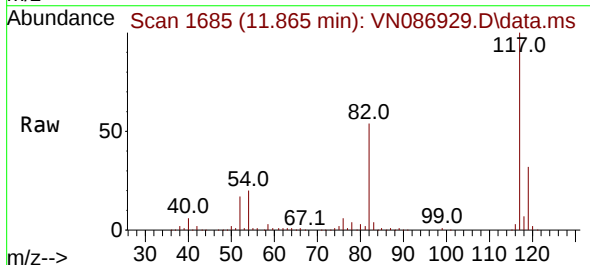
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-760-762

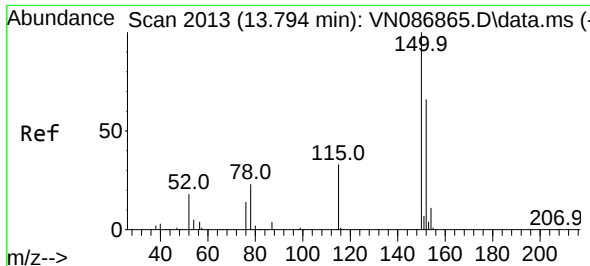
Tgt Ion: 95 Resp: 275436
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.8
176 67.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086929.D
Acq: 10 Jun 2025 15:22

Tgt Ion: 117 Resp: 558009
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 32.4 25.5 38.3

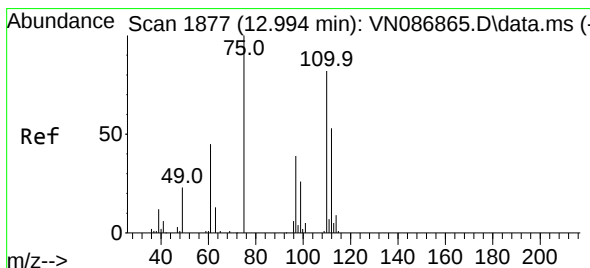
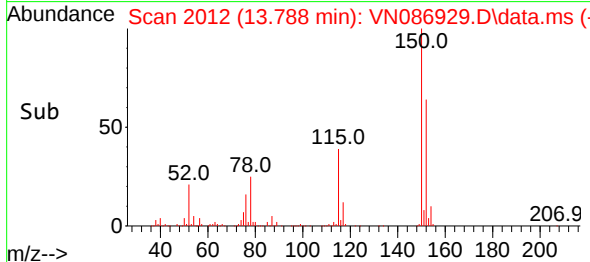
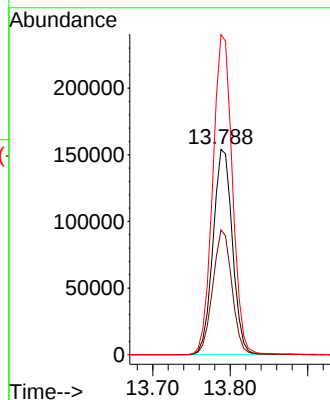
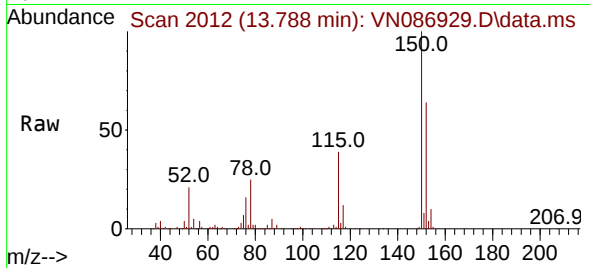




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN086929.D
 Acq: 10 Jun 2025 15:22

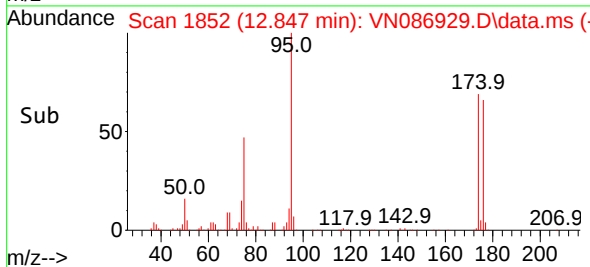
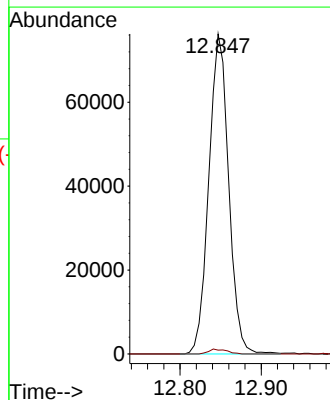
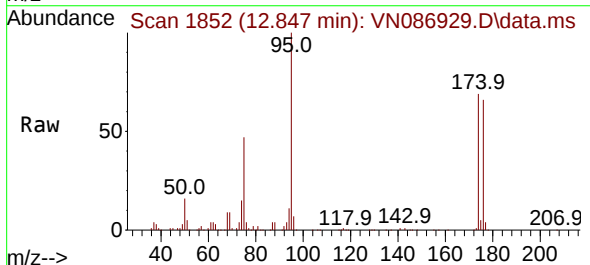
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-GW-760-762

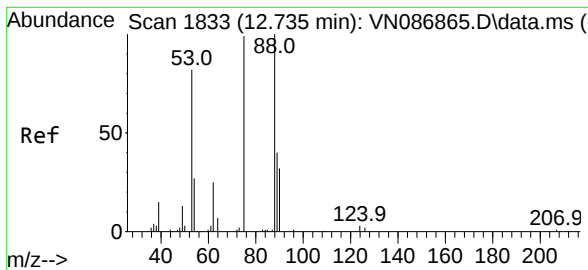
Tgt Ion:152 Resp: 267650
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.1 90.5
 150 157.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.339 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086929.D
 Acq: 10 Jun 2025 15:22

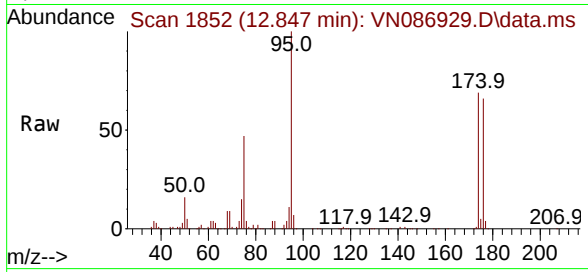
Tgt Ion: 75 Resp: 129401
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.820 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086929.D
 Acq: 10 Jun 2025 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-GW-760-762



Tgt Ion: 75 Resp: 129401
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

